Release notes for ENDF/B Development n-012_Mg_024 evaluation



April 26, 2017

- checkr Warnings:
 - 1. A previous error halted parsing of the current section MAT=1225, MF=1, MT=451 (1): Parsing stopped

ERROR(S) FOUND IN MAT=1225, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 189 TO 280

- checkr Errors:
 - 1. A variable is outside the allowed ENDF range MAT=1225, MF=1, MT=451 (0): Variable range

ERROR(S) FOUND IN MAT=1225, MF= 1, MT=451
MOD = 3 OUT OF RANGE 0 - 0 RECORD NUMBER 189

2. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=1225,\ MF=2,\ MT=151\ (0)$: Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY RECORD NUMBER 282

3. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=3, MT=1 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY RECORD NUMBER 319

4. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=3, MT=2 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY RECORD NUMBER 1257

5. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=3, MT=4 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY RECORD NUMBER 2195

6. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=3, MT=16 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY RECORD NUMBER 2214

7. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=3, MT=22 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 3, MT= 22 SECTION 3/ 22 NOT IN DIRECTORY

RECORD NUMBER 2221

 $8.\ \,$ Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 3, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 3, MT= 28 SECTION 3/ 28 NOT IN DIRECTORY

RECORD NUMBER 2229

9. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=3, MT=51 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 3, MT= 51 SECTION 3/51 NOT IN DIRECTORY

RECORD NUMBER 2236

10. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=3, MT=52 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 3, MT= 52 SECTION 3/ 52 NOT IN DIRECTORY

RECORD NUMBER 2254

11. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=3, MT=53 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 3, MT= 53 SECTION 3/ 53 NOT IN DIRECTORY

RECORD NUMBER 2269

12. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=3, MT=54 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 3, MT= 54 SECTION 3/ 54 NOT IN DIRECTORY

RECORD NUMBER 2283

13. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=3, MT=55 (0): Directory (b)

MHI=1220, MI=0, MI=00 (0). Directory

ERROR(S) FOUND IN MAT=1225, MF= 3, MT= 55 SECTION 3/ 55 NOT IN DIRECTORY

RECORD NUMBER 2296

14. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=3, MT=56 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 3, MT= 56 SECTION 3/ 56 NOT IN DIRECTORY

RECORD NUMBER 2308

15. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=3, MT=57 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 3, MT= 57 SECTION 3/ 57 NOT IN DIRECTORY

RECORD NUMBER 2320

16. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 3, MT = 58 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 3, MT= 58 SECTION 3/ 58 NOT IN DIRECTORY

RECORD NUMBER 2331

17. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 3, MT = 59 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 3, MT= 59 SECTION 3/ 59 NOT IN DIRECTORY

RECORD NUMBER 2341

18. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 3, MT = 60 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 3, MT= 60 SECTION 3/ 60 NOT IN DIRECTORY

RECORD NUMBER 2351

19. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 3, MT = 61 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 3, MT= 61 SECTION 3/ 61 NOT IN DIRECTORY

RECORD NUMBER 2360

20. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 3, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 3, MT= 91 SECTION 3/ 91 NOT IN DIRECTORY

RECORD NUMBER 2369

21. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=1225, MF=3, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 3, MT=102 SECTION 3/102 NOT IN DIRECTORY

RECORD NUMBER 2377

22. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=3, MT=103 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 3, MT=103 SECTION 3/103 NOT IN DIRECTORY

RECORD NUMBER 2397

23. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 3, MT = 107 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 3, MT=107 SECTION 3/107 NOT IN DIRECTORY

RECORD NUMBER 2415

24. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 4, MT = 2 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 4, MT= 2 SECTION 4/ 2 NOT IN DIRECTORY

RECORD NUMBER 2426

25. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 4, MT = 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 4, MT= 16 SECTION 4/ 16 NOT IN DIRECTORY

RECORD NUMBER 2605

26. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 4, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 4, MT= 22 SECTION 4/ 22 NOT IN DIRECTORY

RECORD NUMBER 2616

27. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 4, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 4, MT= 28 SECTION 4/ 28 NOT IN DIRECTORY

RECORD NUMBER 2627

28. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 4, MT = 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 4, MT= 51 SECTION 4/ 51 NOT IN DIRECTORY

RECORD NUMBER 2638

29. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 4, MT = 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 4, MT= 52 SECTION 4/ 52 NOT IN DIRECTORY

RECORD NUMBER 2729

30. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=4, MT=53 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 4, MT= 53

SECTION 4/ 53 NOT IN DIRECTORY

RECORD NUMBER 2804

31. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 4, MT = 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 4, MT= 54 SECTION 4/ 54 NOT IN DIRECTORY

RECORD NUMBER 2824

32. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=4, MT=55 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 4, MT= 55 SECTION 4/ 55 NOT IN DIRECTORY

RECORD NUMBER 2842

33. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=4, MT=56 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 4, MT= 56 SECTION 4/ 56 NOT IN DIRECTORY

RECORD NUMBER 2860

34. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=4, MT=57 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 4, MT= 57 SECTION 4/ 57 NOT IN DIRECTORY

RECORD NUMBER 2878

35. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=4, MT=58 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 4, MT= 58 SECTION 4/ 58 NOT IN DIRECTORY

RECORD NUMBER 2896

36. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=4, MT=59 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 4, MT= 59 SECTION 4/ 59 NOT IN DIRECTORY

RECORD NUMBER 2914

37. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=4, MT=60 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 4, MT= 60 SECTION 4/ 60 NOT IN DIRECTORY

RECORD NUMBER 2932

38. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=4, MT=61 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 4, MT= 61 SECTION 4/ 61 NOT IN DIRECTORY

RECORD NUMBER 2949

39. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=4, MT=91 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 4, MT= 91 SECTION 4/ 91 NOT IN DIRECTORY

RECORD NUMBER 2966

40. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 5, MT = 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 5, MT= 16 SECTION 5/ 16 NOT IN DIRECTORY

RECORD NUMBER 2990

41. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 5, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 5, MT= 22 SECTION 5/ 22 NOT IN DIRECTORY

RECORD NUMBER 3054

42. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 5, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 5, MT= 28 SECTION 5/ 28 NOT IN DIRECTORY

RECORD NUMBER 3222

43. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 5, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF= 5, MT= 91 SECTION 5/ 91 NOT IN DIRECTORY

RECORD NUMBER 3369

44. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 12, MT = 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=12, MT= 16 SECTION 12/ 16 NOT IN DIRECTORY

RECORD NUMBER 3551

45. Missing a gamma spectrum for continuum of gammas MAT=1225, MF=12, MT= 16 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=1225, MF=12, MT= 16
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

46. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 12, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=12, MT= 22 SECTION 12/ 22 NOT IN DIRECTORY

RECORD NUMBER 3557

47. Missing a gamma spectrum for continuum of gammas MAT=1225, MF=12, MT=22 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=1225, MF=12, MT= 22 CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15 48. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=12, MT=28 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=12, MT= 28
SECTION 12/ 28 NOT IN DIRECTORY RECORD NUMBER

49. Missing a gamma spectrum for continuum of gammas $MAT=1225,\ MF=12,\ MT=28$ (1): No gamma spectrum

ERROR(S) FOUND IN MAT=1225, MF=12, MT= 28
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

50. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=12, MT=51 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=12, MT= 51 SECTION 12/ 51 NOT IN DIRECTORY

RECORD NUMBER 3573

3565

51. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=12, MT=52 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=12, MT= 52 SECTION 12/ 52 NOT IN DIRECTORY

RECORD NUMBER 3577

52. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=12, MT=53 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=12, MT= 53 SECTION 12/ 53 NOT IN DIRECTORY

RECORD NUMBER 3581

53. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=12, MT=54 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=12, MT= 54 SECTION 12/ 54 NOT IN DIRECTORY

RECORD NUMBER 3585

54. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=12, MT=55 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=12, MT= 55 SECTION 12/ 55 NOT IN DIRECTORY

RECORD NUMBER 3589

55. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=12, MT=56 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=12, MT= 56 SECTION 12/ 56 NOT IN DIRECTORY

RECORD NUMBER 3593

56. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=12, MT=57 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=12, MT= 57 SECTION 12/ 57 NOT IN DIRECTORY

57. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 12, MT = 58 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=12, MT= 58 SECTION 12/ 58 NOT IN DIRECTORY

RECORD NUMBER 3601

3597

RECORD NUMBER

58. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=12, MT=59 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=12, MT= 59 SECTION 12/ 59 NOT IN DIRECTORY

RECORD NUMBER 3606

59. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=12, MT=60 (0): Directory (b)

EDDOD (G) FOUND IN MAT 4005 ME 40 MT CO

ERROR(S) FOUND IN MAT=1225, MF=12, MT= 60 SECTION 12/ 60 NOT IN DIRECTORY

RECORD NUMBER 3611

60. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=12, MT=61 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=12, MT= 61 SECTION 12/ 61 NOT IN DIRECTORY

RECORD NUMBER 3616

61. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=12, MT=91 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=12, MT= 91 SECTION 12/ 91 NOT IN DIRECTORY

RECORD NUMBER 3621

62. Missing a gamma spectrum for continuum of gammas $MAT=1225,\ MF=12,\ MT=\ 91\ (1)$: No gamma spectrum

ERROR(S) FOUND IN MAT=1225, MF=12, MT= 91
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

63. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=12, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=12, MT=102 SECTION 12/102 NOT IN DIRECTORY

RECORD NUMBER 3629

64. Missing a gamma spectrum for continuum of gammas $MAT=1225,\ MF=12,\ MT=102\ (1)$: No gamma spectrum

ERROR(S) FOUND IN MAT=1225, MF=12, MT=102
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

65. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=12, MT=103 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=12, MT=103 SECTION 12/103 NOT IN DIRECTORY

RECORD NUMBER 3642

66. Missing a gamma spectrum for continuum of gammas $MAT=1225,\ MF=12,\ MT=103\ (1):\ No\ gamma\ spectrum$

ERROR(S) FOUND IN MAT=1225, MF=12, MT=103
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

67. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=1225,\ MF=12,\ MT=107\ (0)$: Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=12, MT=107 SECTION 12/107 NOT IN DIRECTORY

RECORD NUMBER 3652

68. Missing a gamma spectrum for continuum of gammas MAT=1225, MF=12, MT=107 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=1225, MF=12, MT=107
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

69. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=14, MT= 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=14, MT= 16 SECTION 14/ 16 NOT IN DIRECTORY

RECORD NUMBER 3664

70. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=14, MT=22 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=14, MT= 22 SECTION 14/ 22 NOT IN DIRECTORY

RECORD NUMBER 3666

71. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=14, MT=28 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=14, MT= 28 SECTION 14/ 28 NOT IN DIRECTORY

RECORD NUMBER 3668

72. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=14, MT=51 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=14, MT= 51 SECTION 14/ 51 NOT IN DIRECTORY

RECORD NUMBER 3670

73. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 14, MT = 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=14, MT= 52 SECTION 14/ 52 NOT IN DIRECTORY

RECORD NUMBER 3672

74. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 14, MT = 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=14, MT= 53 SECTION 14/ 53 NOT IN DIRECTORY

RECORD NUMBER 3674

75. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 14, MT = 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=14, MT= 54 SECTION 14/ 54 NOT IN DIRECTORY

RECORD NUMBER 3676

76. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 14, MT = 55 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=14, MT= 55 SECTION 14/ 55 NOT IN DIRECTORY

RECORD NUMBER 3678

77. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=14, MT=56 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=14, MT= 56 SECTION 14/ 56 NOT IN DIRECTORY

RECORD NUMBER 3680

78. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=14, MT=57 (0): Directory (b)

11111-1220, M1-14, M1-07 (0). Directory

ERROR(S) FOUND IN MAT=1225, MF=14, MT= 57 SECTION 14/ 57 NOT IN DIRECTORY

RECORD NUMBER 3682

79. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=14, MT=58 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=14, MT= 58 SECTION 14/ 58 NOT IN DIRECTORY

RECORD NUMBER 3684

80. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=14, MT=59 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=14, MT= 59 SECTION 14/ 59 NOT IN DIRECTORY

RECORD NUMBER 3686

81. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 14, MT = 60 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=14, MT= 60 SECTION 14/ 60 NOT IN DIRECTORY

RECORD NUMBER 3688

82. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=1225, MF=14, MT=61 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=14, MT= 61 SECTION 14/ 61 NOT IN DIRECTORY

RECORD NUMBER 3690

83. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 14, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=14, MT= 91 SECTION 14/ 91 NOT IN DIRECTORY

RECORD NUMBER 3692

84. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=14, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=14, MT=102 SECTION 14/102 NOT IN DIRECTORY

RECORD NUMBER 3694

85. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=14, MT=103 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=14, MT=103 SECTION 14/103 NOT IN DIRECTORY

RECORD NUMBER 3696

86. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=14, MT=107 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=14, MT=107 SECTION 14/107 NOT IN DIRECTORY

RECORD NUMBER 3698

87. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=15, MT= 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=15, MT= 16 SECTION 15/ 16 NOT IN DIRECTORY

RECORD NUMBER 3701

88. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=15, MT=22 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=15, MT= 22 SECTION 15/ 22 NOT IN DIRECTORY

RECORD NUMBER 3723

89. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 15, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=15, MT= 28 SECTION 15/ 28 NOT IN DIRECTORY

RECORD NUMBER 3807

90. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=15, MT=91 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=15, MT= 91

SECTION 15/ 91 NOT IN DIRECTORY

RECORD NUMBER 3878

91. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=1225, MF=15, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=15, MT=102 SECTION 15/102 NOT IN DIRECTORY

RECORD NUMBER 4123

92. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=15, MT=103 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=15, MT=103 SECTION 15/103 NOT IN DIRECTORY

RECORD NUMBER 4584

93. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=15, MT=107 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=15, MT=107 SECTION 15/107 NOT IN DIRECTORY

RECORD NUMBER 4785

94. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=33, MT=1 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=33, MT= 1 SECTION 33/ 1 NOT IN DIRECTORY

RECORD NUMBER 5024

95. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=33, MT=2 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=33, MT= 2 SECTION 33/ 2 NOT IN DIRECTORY

RECORD NUMBER 5031

96. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=33, MT=4 (0): Directory (b)

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ERROR(S) FOUND IN MAT=1225, MF=33, MT= 4
SECTION 33/ 4 NOT IN DIRECTORY
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RECORD NUMBER 5073

97. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1225, MF = 33, MT = 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=33, MT= 16 SECTION 33/ 16 NOT IN DIRECTORY

RECORD NUMBER 5109

98. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1225, MF=33, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=1225, MF=33, MT=102 SECTION 33/102 NOT IN DIRECTORY

RECORD NUMBER 5115

- psyche Warnings:
 - 1. Gamma width not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ISOTOPE MASS = 24. L = 1 / AT RESONANCE ENERGY 4.98200E+05 EV. THE GAMMA WIDTH 3.80000E-01 DEVIATES TOO MUCH FROM THE AVERAGE 4.42000E+00 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 24. L = 1

AT RESONANCE ENERGY 4.98200E+05 EV. THE GAMMA WIDTH 3.80000E-01 DEVIATES TOO MUCH FROM THE AV

2. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ISOTOPE MASS = 24. L = 1 / STRENGTH FUNCTION IS 1.61042E-03 / STRENGTH FUNCTION 1.61042E-03 / LIES OUTSIDE LIMITS 1.00000E-05 TO 2.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ISOTOPE MASS = 24. L = 1

STRENGTH FUNCTION IS 1.61042E-03

STRENGTH FUNCTION 1.61042E-03

... [1 more lines]

- linear Errors:
 - 1. Negative cross section found θ : Neg. Sig(E)

Linearize ENDF/B Cross Sections (LINEAR 2015-1)

Retrieval Criteria----- MAT Monitor Mode----- Off

Minimum Cross Section----- 1.0000E-10 (Default Option)

.. [62 more lines]

• fudge-4.0 Warnings:

1. Missing a channel with a particular angular momenta combination resonances / resolved / MultiLevel_BreitWigner (Error # 0): missingResonanceChannel

```
WARNING: Missing a channel with angular momenta combination L=0, J=1.5 and S=1.5 for "capture" WARNING: Missing a channel with angular momenta combination L=1, J=0.5 and S=1.5 for "capture" WARNING: Missing a channel with angular momenta combination L=1, J=1.5 and S=1.5 for "capture" WARNING: Missing a channel with angular momenta combination L=1, J=2.5 and S=1.5 for "capture" ... plus 4 more instances of this message
```

2. Cross section does not match sum of linked reaction cross sections $crossSectionSum\ label\ 1:\ (z,n)\ (Error\ \#\ 0):\ CS\ Sum.$

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.20%

3. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 1 (n + Mg24): / Form 'eval': / Component 1 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

4. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes. Section 2 ((z,n)): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

5. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 3 (n[multiplicity:'2'] + Mg23 + gamma): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

6. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 4 (Mg25 + gamma): / Form 'eval': / Component 1 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

- njoy2012 Warnings:
 - 1. Evaluation has no unresolved resonance parameters given unresr...calculation of unresolved resonance cross sections (0): No URR

```
---message from unresr---mat 1225 has no unresolved parameters copy as is to nout
```

2. Evaluation has no unresolved resonance parameters given purr...probabilistic unresolved calculation (0): No URR

---message from purr---mat 1225 has no unresolved parameters copy as is to nout

3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

groupr...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 16 only mf4/mf5 provided

4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

groupr...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 22 only mf4/mf5 provided

5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

groupr...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 28 only mf4/mf5 provided

6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

groupr...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 91 only mf4/mf5 provided

7. Coefficient mismatch of some sort covr...process covariance data (1): COVR/matshd (2)

---message from matshd---processing of mat/mt 1225/102 vs. mat1/mt1 1225/102 largest coefficient= 1.00000E+00 at index 12 94

8. The number of coefficients was too large in a covariance covr...process covariance data (2): Cov:Too many coeff.

---message from matshd---**** coefficients > 1 reset and continue.